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ABSTRACT

A study was conducted at the University of Missouri-Columbia (UM-C) to ascertain the performance of 465 Missouri community/junior college students who transferred to UM-C during the Fall 1976 semester. The students were assigned to one of five groups based upon the number of semester hours they transferred to UM-C. Their community college grade point averages (GPA's) were recalculated using only college transfer courses, that is, eliminating developmental, physical education, and/or military science courses. The UM-C academic achievement of the transfer students was determined on the basis of retention (i.e., continuous registration from Fall 1976 through Winter 1978) and GPA. The study report presents the findings on 17 data tables that cover: (1) entry patterns by UM-C academic program: (2) rate of retention; (3) percentage of students who earned a GPA of at least 3.0 for each semester from Fall 1976 to Winter 1978; (4) admission, retention, and graduation status of the transfer students by their community college; (5) transfer GPA and UM-C GPA by hours transferred; (6-15) for each academic program, GPA at transfer by community college; (16) students completing UM-C graduation requirements within four semesters; and (17) comparision of transfer GPA and GPA at UM-C for each semester. (JP)

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THE ACADEMIC PERFORMANCE OF MISSOURI COMMUNITY/JUNIOR COLLEGE TRANSFER STUDENTS AT THE UNIVERSITY OF MISSOURI-COLUMBIA

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The University of Missouri-Columbia 1979 Community/Junior College Study for the 1979 Community/Junior College Transition Conference

JC 800 140

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The University of Missouri-Columbia 1979 Community/Junior College Study

for the

1979 Community/Junior College Transition Conference

Title: The Academic Performance of Missouri Community/Junior College Transfer Students at the University of Missouri-Columbia

Researcher: Keener A. Tippin, Assistant Director of Admissions (UMC)

Purpose: To ascertain the academic performance of Missouri Community/Junior college transfer students at the University of Missouri-Columbia

POPULATION: The population of this study was composed of Community/Junior college students who transfer to the University of Missouri-Columbia. The sample of this population was community/junior college students who transferred to the University of Missouri-Columbia and enrolled during the 1976 Fall Semester. The students in this sample were assigned to one of five groups, based on the number of semester hours transferred to the University of Missouri-Columbia. Group one was composed of students who transferred between one and seventeen hours; group two was composed of students who transferred between eighteen and thirty-two hours; group three was composed of students who transferred between thirty-three and forty-seven hours; group four was composed of students who transferred forty-eight hours or more; and group five was composed of students who had earned the Associate of Arts or Science Degree.

METHOD: The Grade Point Average (GPA) of each student was recalculated using only college transfer courses while eliminating Developmental, Physical Education, and/or Military Science courses.

The data pertaining to GPA were reported in means and those data pertaining to academic entry, retention, and completion of graduation requirements were reported in percentages.

ASSUMPTIONS: Semester grades obtained from the student's official transcript are a valid indicator of the student's college academic accomplishment.

Students chosen as subjects earned at least a grade point average of 2.000 (C) prior to transferring to the University of Missouri-Columbia.

This study was limited to the investigation of Missouri community/junior college transfer students who enrolled at the University of Missouri-Columbia for the 1976 Fall Semester.

DEFINITION OF TERMS:

1. Academic dismissal and suspension. Depending on the academic school or college in which they are enrolled, students are dismissed or suspended if their semester grade point averages are 1.000 or below or if they fail half or more of their programs. When suspended, students are generally eligible to re-enroll in that academic school or college after two semesters. Dismissal is of a permanent nature and students are not eligible to re-enroll in the academic school or college from which they were suspended.

2. Academic Performance. A student's achievement, as defined herein, includes only his or her scholastic record in terms of grades recorded upon the official record card.

3. Attrition. Term used to note students who are suspended or dismissed from the University of Missouri-Columbia for academic reasons.

4. Committee on Entrance Revision of Records. This Committee acts as an agent of the Faculty on cases on admission referred by the Director of Admissions and receives and acts upon petitions by students for revision in entries concerning grades and credits entered upon the official record card.

5. Grade Point Average (GPA). A measure of average scholastic performance obtained by dividing the total number of grade points earned by the total number of hours of coursework attempted.

6. Retention. Continuous registration beginning with the 1976 Fall Semester through the 1978 Winter Semester.

INSTITUTIONS STUDIED: The data used in this study were compiled on students transferring from Missouri community/junior colleges. Each community/junior college that had at least one student to transfer to the University of Missouri-Columbia for the 1976 Fall Semester was included in the study.

FINDINGS: The findings in this study were reported for each community/junior college represented. Each community/junior college was assigned a letter of the alphabet and the University of Missouri-Columbia Admissions Office staff can identify the college's identification code upon request by an administrator or faculty member (Please note that the letters of the alphabet were randomly assigned).

Academic Entry Patterns: The data in Table I represents the academic school or college in which students in the sample enrolled for the 1976 Fall Semester. The results are reported in percentages. The sample was composed of four hundred and sixty-five students. It should be noted that eight students were admitted to one of the limited admission programs....Nursing.

TABLE I. ACADEMIC ENTRY PATTERNS

Academic School or College	N	Percentage	N with Assoc. Degree
Agriculture	59	12.68	6
Arts & Science	176	37.85	13
Business & Public Administration	31	6.66	3
Education	72	15.48	3
Engineering	45	9.67	2
Forestry, Fisheries and Wildlife	59	5.59	2
Home Economics	22	4.74	0
Journalism	17	3.66	3
Nursing	8	1.73	0
Public & Community Services	9	1.94	3
TOTAL	498	100.00	35

Report on Retention: Retention in this study was defined as continuous registration beginning with the 1976 Fall Semester through the 1978 Winter Semester. The data presented in Table II reflects the retention of the 1976 sample.

Report of Retention: Retention in this study was defined as contiuous registration beginning with the 1976 Fall Semester through the 1978 Winter Semester. The data represented in Table II reflects the retention of the 1976 sample.

II. RETENTION				
Category	1977 Winter	1977 Fall	1978 Winter	Total [1]
Voluntary Non-Returners	39 (8.38%)	30 (6.45%)	13 (2.79%)	82 (17.63%)
Returners	385 (82.79%)	300 (64.51%)	268 (57.63%)	268 (57.63%)
Invol. Non-Returners	41 *8.81%)	55 (11.82%)	19 (4.07%)	115 (24.73%)

[1]Percentages based on 1976 sample of 465 students.

TABLE III. STUDENTS WHO EARNED A GPA OF AT LEAST 3.000 (B)				
Category	1976 Fall	1977 Winter	1977 Fall	1978 Winter[1]
Students earning a GPA of at least 3.000	81 (17.41%)	87 (22.08%)	89 (28.60%)	111 (41.10%)
Total students enrolled	465	394	311	270

[1]Percentages based on the number of students enrolled each respective semester.

(5)

TABLE IV. ADMISSION, RETENTION AND GRADUATION STATUS

	1976 Fall Semester		1977 Winter Semester		1977 Fall Semester		1978 Winter Semester		Admitted 50 or	Admitted with	Graduated within
College	Enr.	Dism.	Enr.	Dism.	Enr.	Dism.	Enr.	Dism.	More Hours	Assoc. Degree	Four Semesters
A	22	0	19	2	17	1	16	1	6	2	3
B	15	1	10	3	7	0	7	1	13	0	6
C	26	4	2	1	17	4	13	4	7	1	2
D	1	0	1	0	1	0	1	1	0	0	0
E	3	0	3	1	1	0	1	0	2	1	0
F	1	0	1	0	1	0	1	0	0	0	0
G	14	1	11	0	9	0	8	0	4	0	1
H	13	0	12	2	11	1	9	0	4	2	2
I	11	0	11	4	7	0	7	0	4	1	1
J	2	1	0	1	0	0	0	0	1	1	0
K	4	0	4	0	4	0	4	0	2	1	2
L	3	1	2	0	2	0	2	1	1	2	1
M	33	1	29	4	25	1	24	2	9	6	5
N	57	6	47	2	34	3	30	2	20	1	7
O	25	3	20	3	15	1	10	1	3	0	1
P	10	2	6	2	4	0	3	1	1	4	2
Q	11	0	10	1	9	1	8	0	4	1	1
R	6	0	3	1	1	0	1	0	4	2	1
S	34	0	34	7	26	1	25	1	15	3	5
T	20	4	14	5	10	0	10	0	6	2	2
U	154	11	128	16	99	6	88	5	38	5	10
TOTAL	465	41	385	55	300	19	268	20	134	35	52

TABLE V. GPA BY TRANSFER HOURS GROUPING

College	N	Group	Transfer GPA	UMC 1976-77 Cum GPA	UMC 1977-78 Cum GPA
A	8	I	2.5961	2.5584	2.5841
	2	II	3.4678	1.8113	2.6896
	10	IV	3.1570	3.2602	2.9885
	2	V	2.2500	2.8815	2.6315
B	1	I	3.0000	1.0000	2.0909
	1	II	2.5862	1.9666	3.0274
	3	IV	3.1086	2.3154	2.9264
C	13	I	2.3861	1.9744	2.4579
	3	II	3.3947	1.8208	2.1538
	1	III	3.0000	2.6716	2.6229
	8	IV	2.9022	2.3103	2.2201
	1	V	2.8333	2.5333	2.3939
D	1	I	3.5000	2.1071	1.7962
E	2	IV	3.1153	1.9795	3.0606
	1	V	2.2857	2.0000	*
				2.000	*
F	1	II	4.0000	2.7666	2.4666
G	8	I	3.1803	2.3476	2.7916
	1	II	3.6250	3.5161	3.4666
	1	III	2.6578	*	*
	4	IV	3.0616	2.5862	2.9431
H	2	I	2.5000	1.9444	2.2000
	3	II	2.4157	2.1279	1.9350
	1	III	3.1044	2.8076	2.8214
	5	IV	2.4802	2.1596	2.8017
	2	V	2.9375	2.2187	2.0638
I	1	I	3.0000	2.9032	2.8620
	3	II	2.6666	1.6611	3.1034
	2	III	3.2531	2.8571	3.4545
	4	IV	2.6608	2.9000	3.2500
	1	V	4.0000	3.4516	3.5000
J	1	IV	2.7419	2.2800	2.3077
	1	V	3.0000	1.7439	*
K	1	I	2.6666	2.9666	3.1000
	3	IV	2.8644	2.2747	3.0449

* No grades were reported for student(s) in these groups.

TABLE V. CONT. GPA BY TRANSFER HOURS GROUPING

College	N	Group	Transfer GPA	UMC 1976-77 Cum GPA	UMC 1977-78 Cum GPA
L	1	IV	2.3921	1.5454	*
	2	V	3.0875	2.7031	2.3275
M	13	I	3.0117	2.2111	2.7483
	3	II	2.7532	2.2222	2.0769
	2	III	3.1904	2.3333	2.1250
	9	IV	2.9834	2.5512	2.8133
	6	V	2.4810	2.8333	2.6231
N	17	I	2.6296	2.1508	2.8000
	14	II	2.6895	1.9966	2.4670
	6	III	2.9515	2.1962	2.3670
	19	IV	2.6429	2.2538	2.7798
	1	V	2.7246	1.3333	*
O	10	I	2.5487	1.9855	2.2183
	6	II	2.7482	1.8250	2.6842
	6	III	2.4854	2.0942	2.2083
	3	IV	2.9027	2.6216	3.0833
P	1	I	3.0000	1.3076	*
	1	II	1.7857	*	*
	3	III	3.2178	2.4153	2.2187
	1	IV	1.1710	1.0000	*
	4	V	2.9952	2.7379	3.6500
Q	3	I	3.9142	3.1184	3.3620
	3	II	3.1034	2.5822	2.9277
	4	IV	2.7233	2.5000	2.3975
	1	V	2.8196	2.1000	2.0000
R	4	IV	2.8271	1.9666	*
	2	V	2.7810	1.3571	2.5000
S	7	I	3.4634	3.1315	3.4805
	5	II	2.5840	1.9305	3.4339
	4	III	2.6882	2.6853	3.0000
	15	IV	2.5946	2.1440	2.4131
	3	V	3.0390	2.6705	1.8070
T	3	I	2.7391	2.3838	2.4893
	7	II	2.6279	1.1879	2.2096
	2	III	2.7142	1.6885	*
	6	IV	3.0888	1.9285	2.4962
	2	V	3.1885	2.1333	3.0300

* No grades were reported for student(s) in these groups.

TABLE V. CONT. GPA BY TRANSFER HOURS GROUPING					
College	N	Group	Transfer GPA	UMC 1976-77 Cum. GPA	UMC 1977-78 Cum. GPA
U	43	I	2.3861	2.0892	2.5229
	46	II	2.5392	2.2439	2.3916
	19	III	2.4406	2.1598	2.6393
	36	IV	2.6818	2.3647	2.5454
	5	V	3.2916	2.8800	2.7977

*No grades were reported for student(s) in these groups.

TABLE VI. GPA TRANSFER BY COMMUNITY/JUNIOR COLLEGE INTO THE COLLEGE OF AGRICULTURE				
College	N	Transfer GPA	N	UMC CUM. GPA
A	3	2.7171	3	1.7957
B	1	2.6376	1	1.9245
C	1	2.8375	1	0.6430
G	1	2.9710	1	3.6721
H	6	2.7495	6	2.5771
I	3	3.6305	3	3.3625
L	2	2.4033	2	2.9487
M	7	2.9849	7	2.5806
N	7	2.9768	7	2.3044
O	2	2.8000	2	0.6666
P	2	3.1735	2	3.4390
Q	3	3.1099	3	2.5611
S	5	2.8516	5	2.5846
U	14	2.3594	14	2.1451

TABLE VII. GPA TRANSFER BY COMMUNITY/JUNIOR COLLEGE INTO THE COLLEGE OF ARTS AND SCIENCE				
College	N	Transfer GPA	N	UMC CUM. GPA
A	7	2.8827	7	2.5866
B	4	3.3802	4	2.3163
C	11	3.1958	11	2.4766
D	1	3.5000	1	1.8846
G	2	3.4227	2	2.7711
H	4	2.2971	4	1.9970
I	6	3.0324	6	2.5240
K	3	2.7500	3	2.7765
L	1	3.7536	1	1.5272
M	8	2.9754	8	2.1371
N	21	3.0361	21	2.4179
O	11	2.7043	11	2.2483
P	3	3.0869	3	2.0198
Q	1	3.8235	1	1.8571
R	1	2.4347	1	0.5000
S	9	2.7114	9	2.8035
T	9	2.7684	9	1.8464
U	74	2.6350	74	2.3448

TABLE VIII. TRANSFER GPA BY COMMUNITY/JUNICR COLLEGE INTO THE COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION

College	N	Transfer GPA	N	UMC Cum. GPA
A	1	3.0000	1	2.9333
B	1	2.9333	1	1.1250
C	2	2.6384	2	2.4571
E	1	2.7246	1	1.0000
H	1	2.3666	1	1.3750
I	1	3.1525	1	1.3333
J	2	2.8677	2	1.7435
K	1	2.0833	1	2.5873
M	2	3.2727	2	2.9411
N	3	2.7808	3	2.2709
Q	3	2.9565	3	2.2916
R	1	2.8852	1	2.0000
S	3	2.3233	3	2.0634
T	3	3.2052	3	2.3468
~	6	3.1269	6	2.8470

TABLE IX. TRANSFER GPA BY COMMUNITY/JUNIOR COLLEGE INTO THE COLLEGE OF EDUCATION

College	N	Transfer GPA	N	UMC Cum. GPA
A	6	3.3116	6	3.1742
B	4	3.0801	4	2.7974
C	6	2.4949	6	1.7824
E	1	3.5573	1	2.8125
G	4	2.6521	4	2.7157
H	2	2.5000	2	2.0491
M	5	3.2725	5	2.5179
N	7	3.1372	6	2.7134
O	4	2.0555	4	2.3333
P	1	3.4545	1	2.4354
Q	1	3.2777	1	3.1346
R	1	2.5384	1	1.8888
S	6	2.7807	6	2.8389
T	1	2.8222	1	2.1304
U	23	2.3522	23	2.3104

TABLE X. TRANSFER GPA BY COMMUNITY/JUNIOR COLLEGE INTO THE COLLEGE OF ENGINEERING

College	N	Transfer GPA	N	UMC Cum. GPA
B	2	3.2651	2	2.5106
C	2	2.3309	4	2.3465
F	1	4.0000	1	2.6166
G	4	3.0512	4	2.4835
I	1	4.0000	1	3.4754
M	4	3.3000	4	2.8269
N	6	2.7345	6	1.7631
O	4	2.5681	4	2.2487
S	8	2.6916	8	2.0712
T	4	3.0282	4	1.3823
U	7	2.4887	7	2.4985

TABLE XI. TRANSFER GPA BY COMMUNITY/JUNIOR COLLEGE INTO THE SCHOCL OF FORESTRY, FISHERIES AND WILDLIFE

College	N	Transfer GPA	N	UMC Cum. GPA
B	2	3.3829	2	2.9391
G	2	3.5000	2	2.2666
N	2	2.6440	2	1.5438
O	2	2.0232	2	1.5384
P	3	1.8333	3	1.0333
Q	2	2.3866	2	2.9047
S	3	2.8953	2	2.4876
U	10	2.3421	8	2.2931

TABLE XII. TRANSFER GPA BY COMMUNITY/JUNIOR COLLEGE INTO THE COLLEGE OF HOME ECONOMICS

College	N	Transfer GPA	N	UMC Cum. GPA
M	1	2.9852	1	1.5666
N	7	2.6529	7	2.4051
P	1	3.2121	1	3.5000
T	2	2.6250	2	2.2463
U	11	2.5392	9	2.3856

TABLE XIII. TRANSFER GPA BY COMMUNITY/JUNIOR COLLEGE INTO THE SCHOOL OF JOURNALISM

College	N	Transfer GPA	N	UMC Cum. GPA
A	5	2.8042	5	2.5840
M	1	3.4202	1	2.8510
O	1	3.7183	1	2.8490
S	1	2.6666	1	2.2500
U	9	3.2037	9	2.6618

TABLE XIV. TRANSFER GPA BY COMMUNITY/JUNIOR COLLEGE INTO THE SCHOOL OF NURSING

College	N	Transfer GPA	N	UMC Cum. GPA
A	2	2.7500	2	2.7777
E	1	2.2857	1	2.0000
M	2	4.0000	2	3.0586
Q	1	4.0000	1	2.7758
U	2	3.9687	2	3.7586

TABLE XV. TRANSFER GPA BY COMMUNITY/JUNIOR COLLEGE INTO THE COLLEGE OF PUBLIC AND COMMUNITY SERVICE

College	N	Transfer GPA	N	UMC Cum. GPA
M	1	3.6984	1	3.3508
N	4	2.2235	4	2.3893
R	1	3.1323	1	2.4000
T	1	2.9655	1	2.7767
U	2	2.8571	2	2.5806

TABLE XVI. STUDENTS COMPLETING REQUIREMENTS FOR GRADUATION WITHIN FOUR SEMESTERS AT THE UNIVERSITY OF MISSOURI-COLUMBIA

	Number of Students	Percentage
Students admitted with fifty hours or more	169	36.34
Students admitted with fifty hours or more graduating within four semester	52	30.76

[1]Percentage based on the 1976 sample of 465 students.

TABLE XVII. COMPARISON OF TRANSFER GPA AND UMC 1976 FALL SEMESTER, 1977 WINTER SEMESTER, 1977 FALL SEMESTER AND 1978 WINTER SEMESTER

College	N	Transfer GPA	N	1976 Fall	N	1977 Winter	N	1977 Fall	N	1978 Winter
A	22	2.9273	21	3.1411	20	2.6218	17	2.7218	18	2.7265
B	15	3.0902	12	2.2451	11	2.3916	8	2.7300	6	3.3902
C	26	2.8821	24	1.6026	19	2.3151	16	2.1531	14	2.6628
D	1	3.5000	1	2.2140	1	2.0000	1	1.7142	1	1.8846
E	3	2.8250	3	1.9333	2	2.0454	1	3.3529	1	2.7500
F	1	4.0000	1	2.5000	1	3.0000	1	2.7128	1	2.2500
G	14	3.0865	13	2.7225	10	2.8163	9	2.7132	0	3.0280
H	13	2.6168	13	2.2777	12	2.0917	9	2.1953	9	2.4260
I	11	3.1144	10	2.7986	11	2.4000	7	2.9533	7	3.5023
J	2	2.8677	1	2.2800	1	0.7857	1	2.3076	0	*
K	4	2.8611	4	2.4754	4	2.4166	4	3.0500	4	2.9672
L	3	2.9521	3	1.8000	2	3.1875	2	2.2647	2	2.4166
M	33	2.8255	33	2.3577	27	2.5070	24	2.7613	22	2.6962
N	57	2.6907	51	2.1677	47	2.3159	33	2.3803	31	2.4347
O	25	2.6702	23	1.9201	19	2.1431	13	2.4397	11	2.2801
P	10	2.6354	9	2.4117	6	2.5164	3	3.0212	3	3.2888
Q	11	2.8943	11	2.7986	10	2.4892	9	2.6046	8	2.8671
R	6	2.8105	4	1.6862	2	1.2500	1	2.3125	1	2.7500
S	34	2.7016	33	2.2224	34	2.7926	26	2.6804	25	2.9234
T	20	3.3795	20	1.8049	14	1.6880	11	2.2937	10	3.0260
U	154	2.6257	148	2.1789	125	2.2994	98	2.3976	89	2.6117

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